

**Notice of Allowability**

Application No.

10/734,278

Applicant(s)

NAGAE, NOBUKAZU

Examiner

Stephen G. Sherman

Art Unit

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed the 3 July 2007.
2. ☒ The allowed claim(s) is/are 1-4,6,7 and 9-17.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other _____   |

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Aaron Mace on 21 August 2007.

2. The application has been amended as follows:

Please amend claim 1 as follows:

1. An image display system comprising:

at least one display panel;

a memory circuit to store predefined image information, associated with all positions within a predefined space in which the at least one display panel is provided, at least temporarily; and

a position sensing subsystem for detecting the position of the at least one display panel within the space,

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wherein the at least one display panel presents at least a portion of the image information thereon according to its position that has been detected by the position sensing subsystem in the space, wherein the at least one display panel presents the portion of the image information in actual dimensions, and wherein

the at least one display panel includes a main display panel and a sub-display panel, each of the main display panel and the sub-display panel being moveable within the space,

the position sensing subsystem includes a position sensing detector which detects at least the position of the main display panel within the space, and

the display system includes a relative position sensing subsystem for detecting the relative positions and relative configurations of the main and sub-display panels, the position and configuration of the sub-display panel within the space being detected based on the relative positions of the main and sub-display panels.

Please amend claim 5 as follows:

5. (Cancelled)

***Allowable Subject Matter***

3. Claims 1-4, 6-7 and 9-17 are allowed.

4. The following is an examiner's statement of reasons for allowance:

The primary reason for allowance is the combination of the limitations that the main and sub display panels are movable within the space for which the memory stores an image of, and where the display panels display at least a portion of the image of the space in actual dimensions, which is not found singularly or in combination within the prior art.

The closest prior art references (Morita (US 6,249,744), Hanson et al. (US 6,710,754), Kulas (US 2003/0151562), Kamakura et al. (US 6,172,657)) fail to teach the claimed invention.

Morita discloses of an image display system comprising one display which presents a portion of image information stored in a memory according to the position of the display within a space, however, Morita does not teach having multiple display panels or having the portion of the image of the space being presented in actual dimensions.

Hanson et al. discloses of having two display panels, one of which presents a portion of the image displayed on the other display panel, however, only teaches that one of the display panels is movable, and therefore fails to teach that both of the display panels are movable within the space.

Kulas discloses of a system in which a plurality of display panels are movable with respect to each other and image information can be presented to the displays

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dependent on their configuration, however, Kulas does not teach the displays being located within a space in which a portion of an image in the space is presented on the displays in actual dimensions.

Kamakura et al. disclose of image information being presented on a display which corresponds to piping or wiring which would not normally be visible, however, Kamakura et al. do not teach of having multiple display panels which are movable within a space in which an image of the space is stored in a memory.

Therefore, even combining these references it is not taught that the display panels would be movable in a space for which a memory stores an image of, and where the display panels display at least a portion of the image of the space in actual dimensions.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen G. Sherman whose telephone number is (571) 272-2941. The examiner can normally be reached on M-F, 8:00 a.m. - 4:30 p.m..

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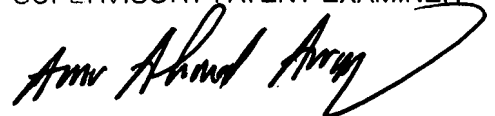
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amr Awad can be reached on (571) 272-7764. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SS

23 August 2007

AMR A. AWAD  
SUPERVISORY PATENT EXAMINER

A handwritten signature in black ink, appearing to read "Amr A. Awad", with a large, sweeping flourish extending from the end of the signature.